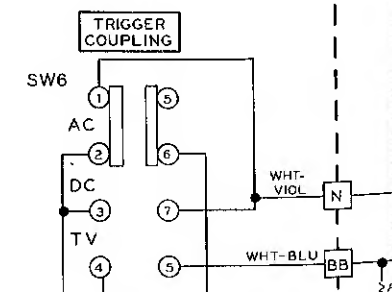
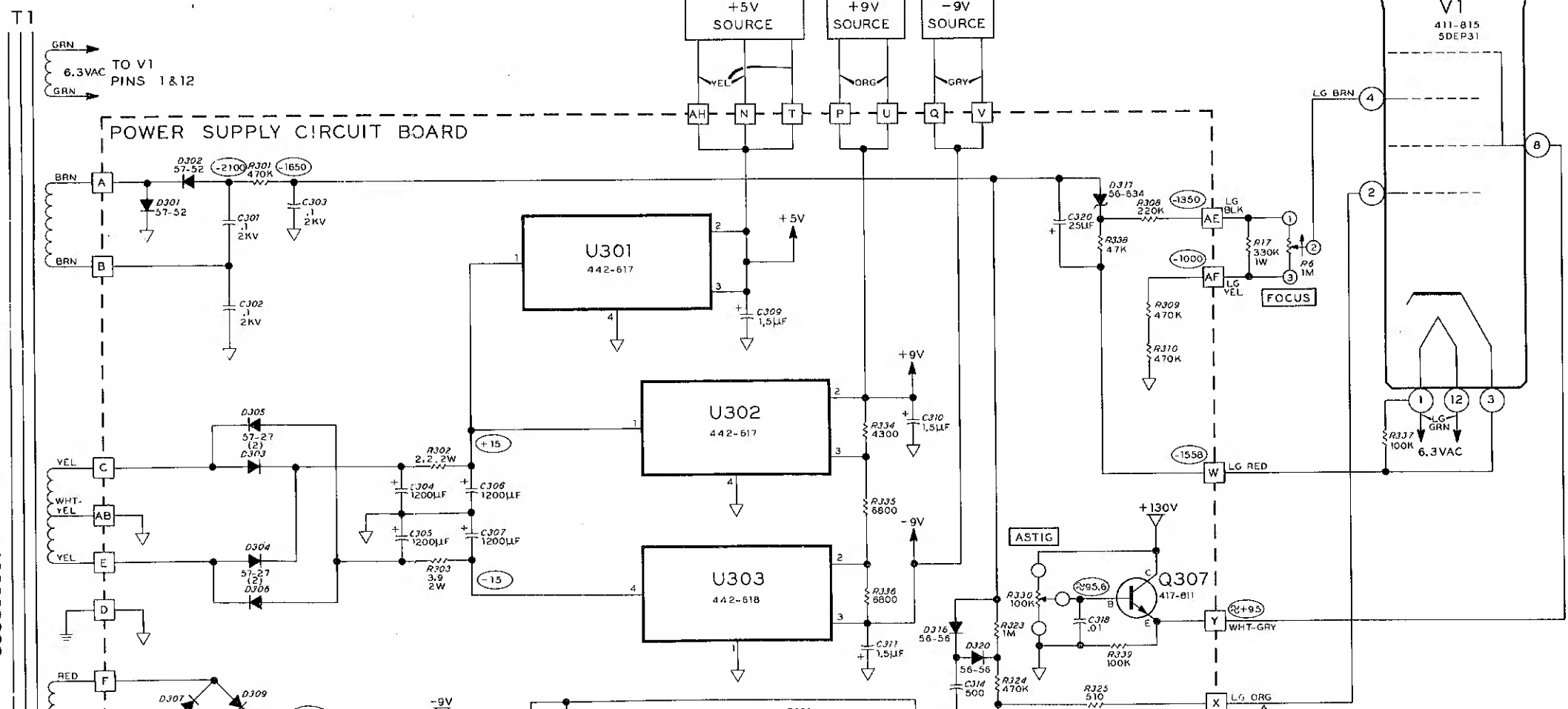
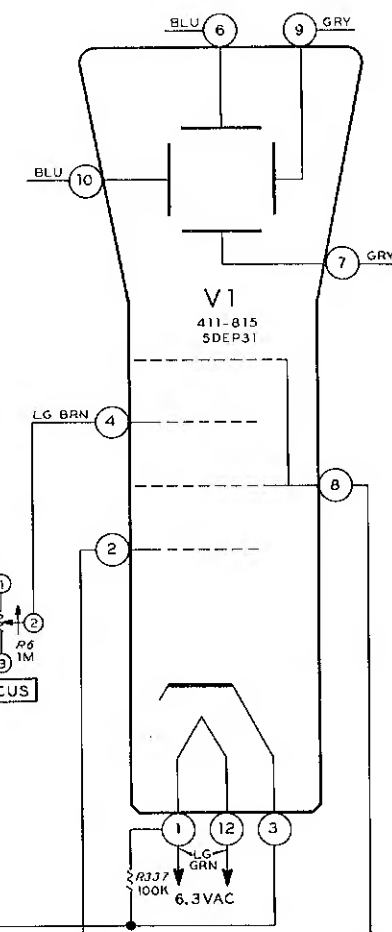
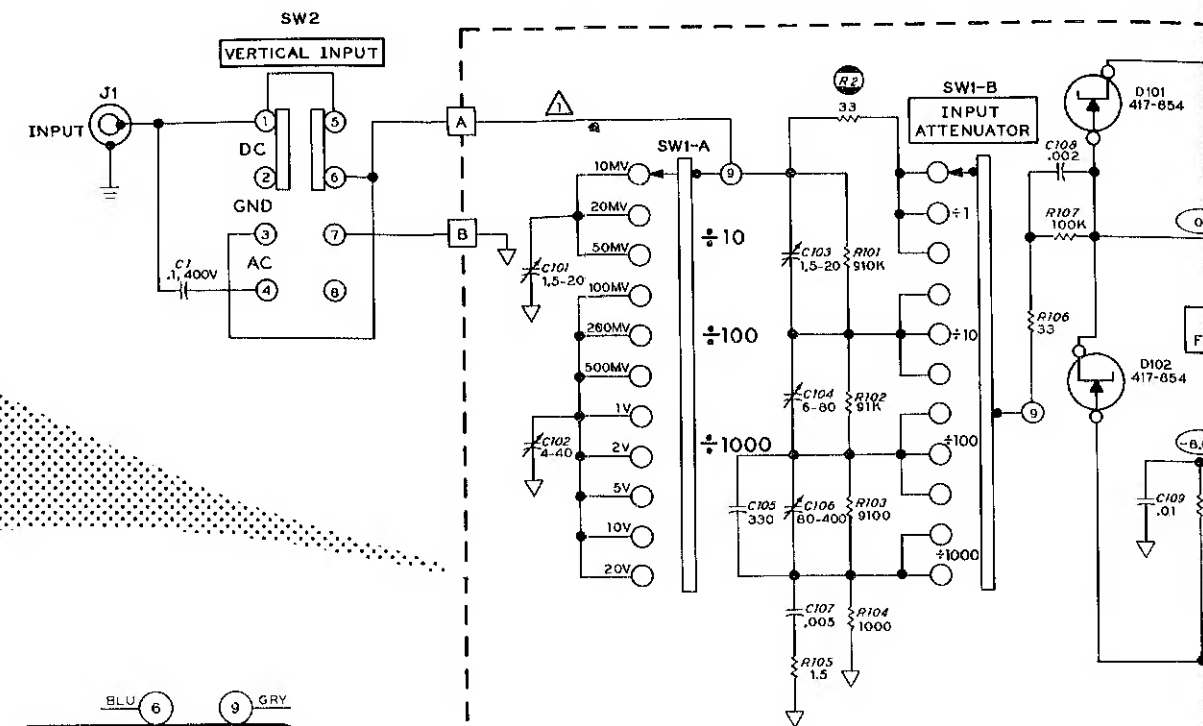
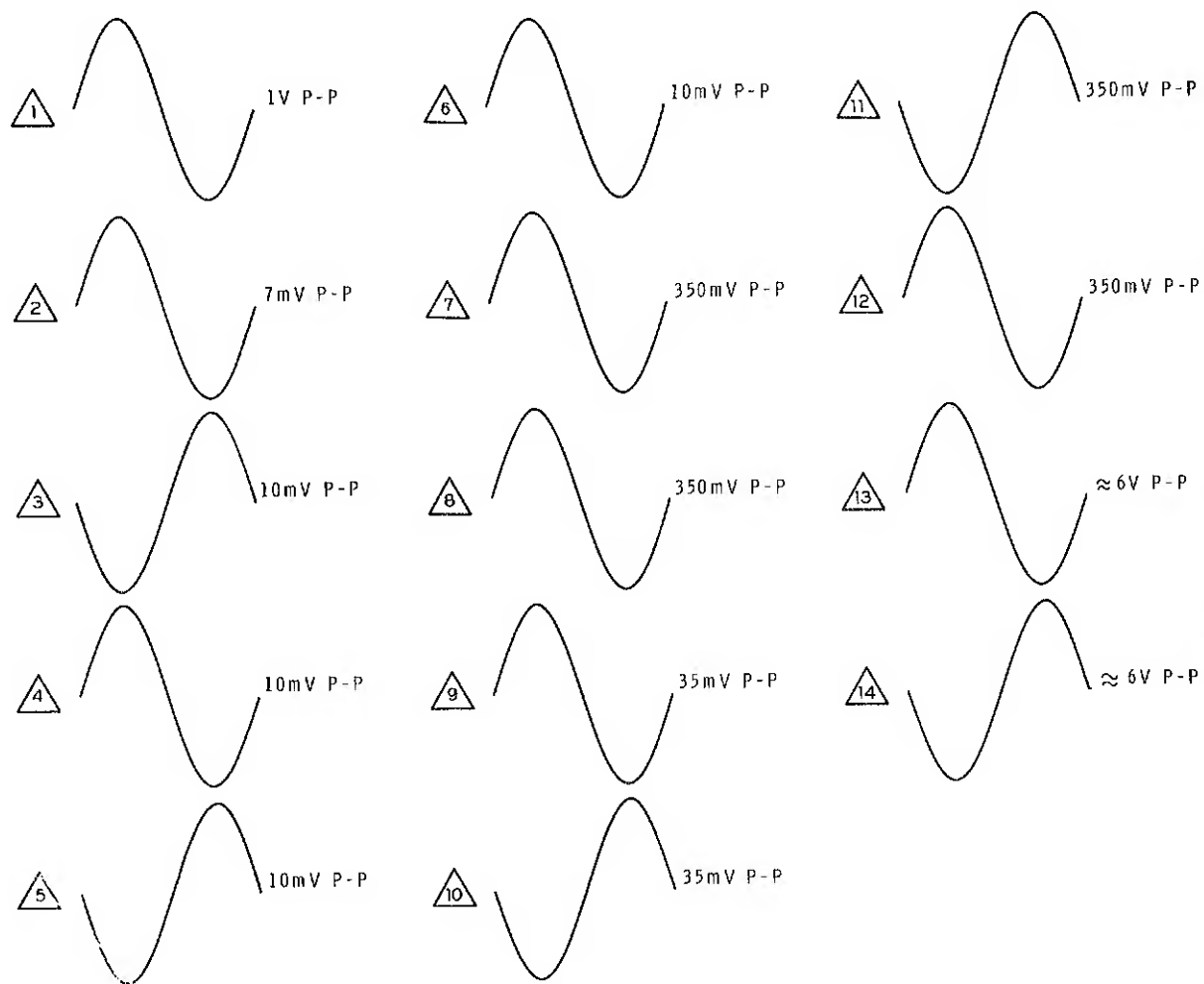








- AC-GND-DC SWITCH TO AC OR DC.
- VOLTS/CM SWITCH TO 1.
- GENERATOR SET TO 1V PP AND CONNECTED TO INPUT.



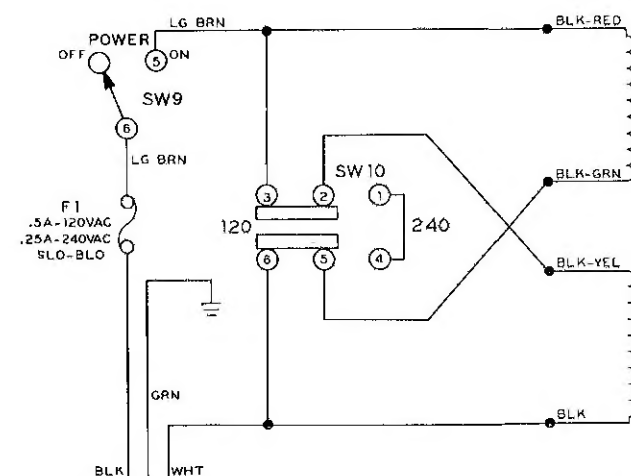
SCHEMATIC OF THE HEATHKIT® 10-4105/SO-4105 OSCILLOSCOPE

NOTES:

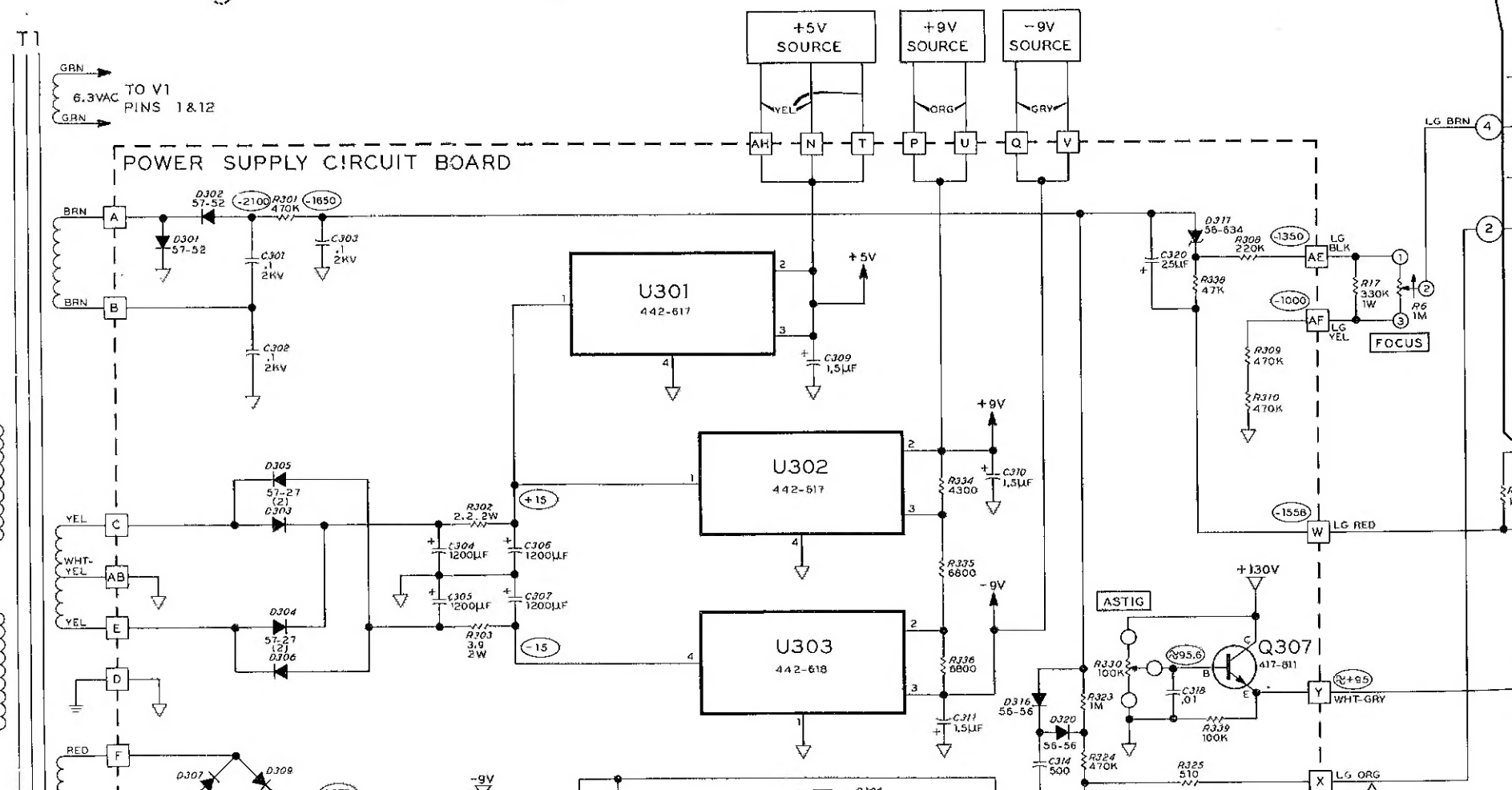
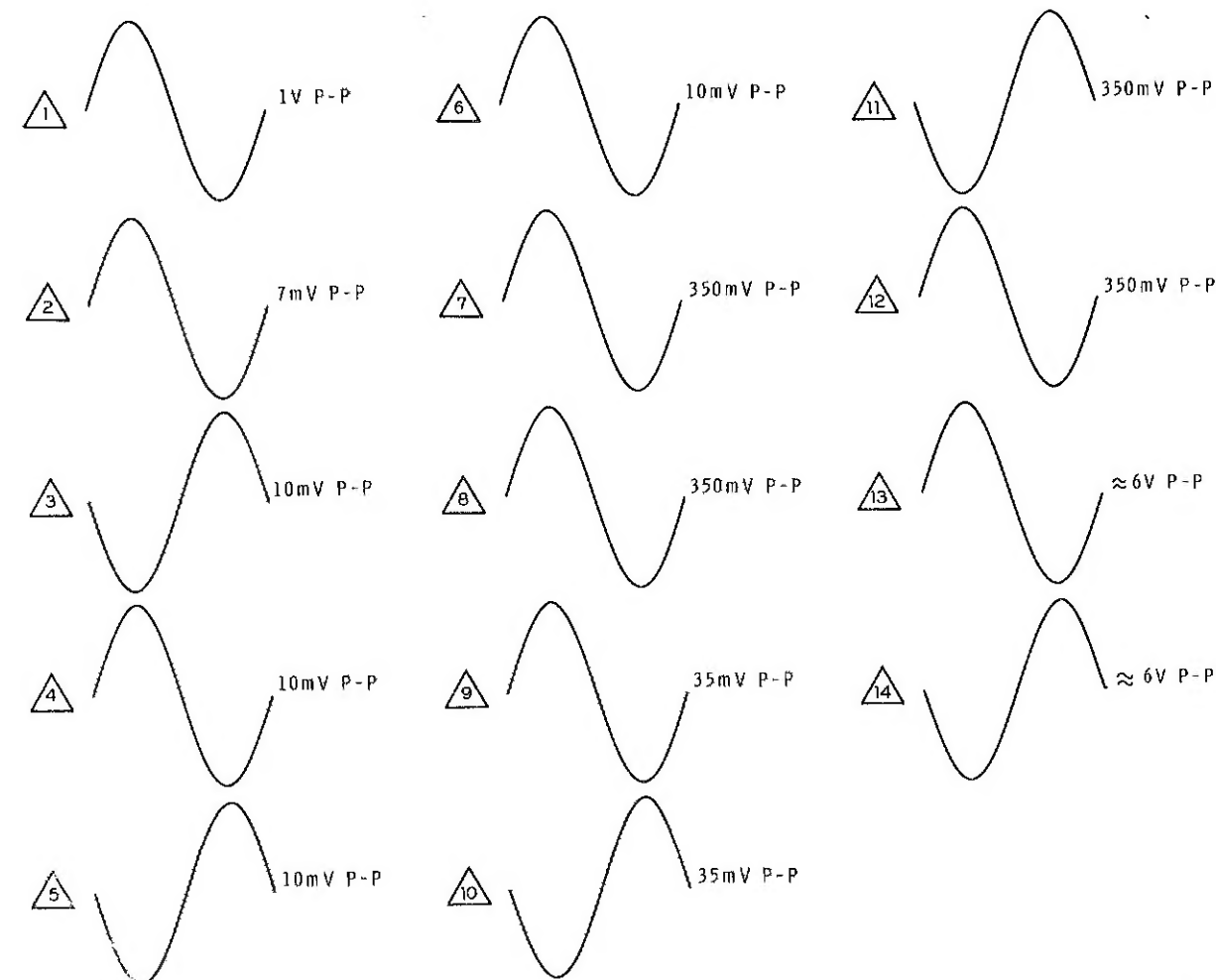
1. REFER TO THE CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
2. ALL RESISTORS ARE 1/2-WATT, 5% UNLESS MARKED OTHERWISE.
3. ALL CAPACITOR VALUES LARGER THAN 1.0 ARE IN μF UNLESS OTHERWISE SPECIFIED. CAPACITOR VALUES LESS THAN 1.0 ARE IN μF .
4.  THIS SYMBOL WITH A LETTER IN IT INDICATES A WIRE CONNECTION TO A CIRCUIT BOARD.
5.  THIS SYMBOL INDICATES CIRCUIT BOARD GROUND (COMMON FOIL) ON A CIRCUIT BOARD.
6.  THIS SYMBOL INDICATES CHASSIS GROUND.
7.  THIS SYMBOL DENOTES A WAVEFORM DISPLAY AT THE INDICATED POINT.
8.  THIS SYMBOL INDICATES A PART MOUNTED ON THE CHASSIS, ALTHOUGH ITS LOCATION ON THE SCHEMATIC SUGGESTS ANOTHER LOCATION.
9. CIRCUIT COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
 - 1 - 99 PARTS ON THE CHASSIS.
 - 101 - 199 PARTS ON THE VERTICAL AMPLIFIER CIRCUIT BOARD.
 - 201 - 299 PARTS ON THE HORIZONTAL AMPLIFIER CIRCUIT BOARD.
 - 301 - 399 PARTS ON THE POWER SUPPLY CIRCUIT BOARD.
10.  THIS SYMBOL INDICATES A DC VOLTAGE MEASURED FROM THE POINT INDICATED TO GROUND WITH THE VERTICAL AMPLIFIERS BALANCED, THE TIME/CM SWITCH IN THE EXT POSITION, AND THE HORIZONTAL POSITION CONTROL CENTERED.

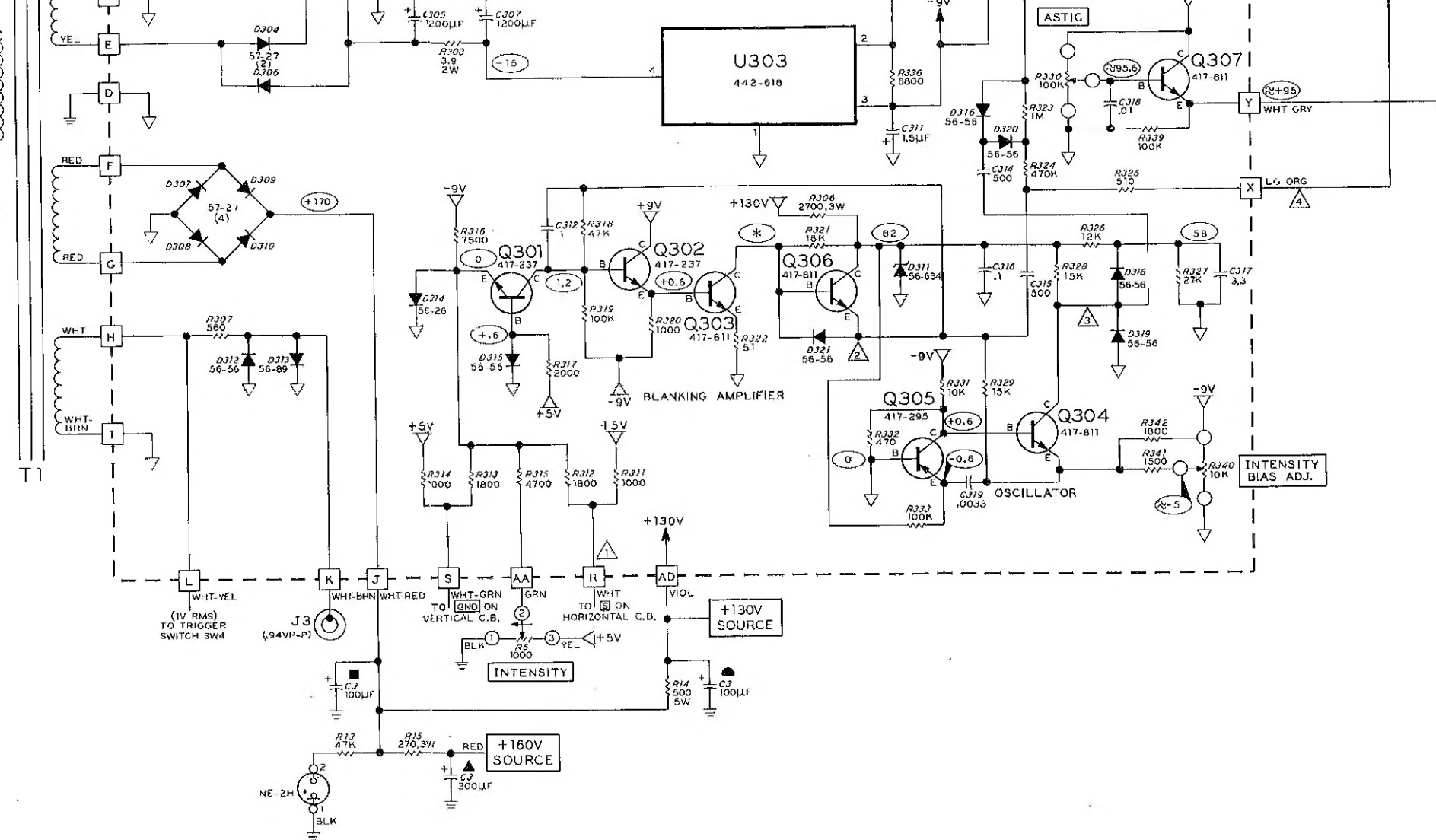
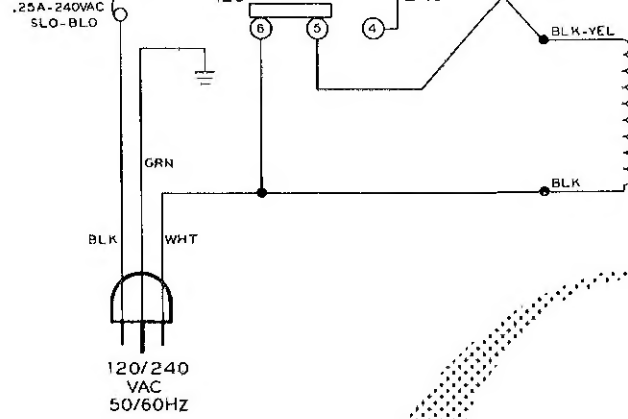
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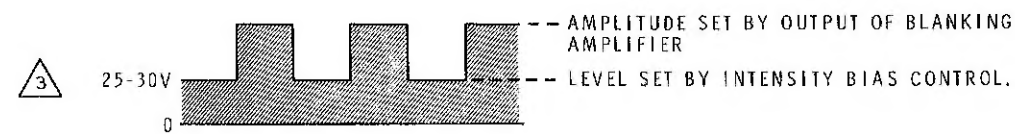
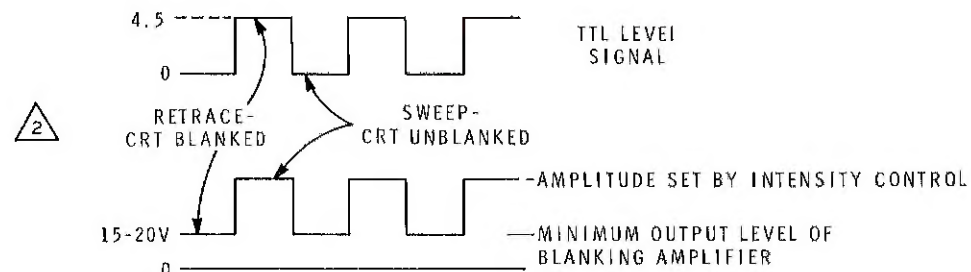


—AC-GND-DC SWITCH TO AC OR DC.
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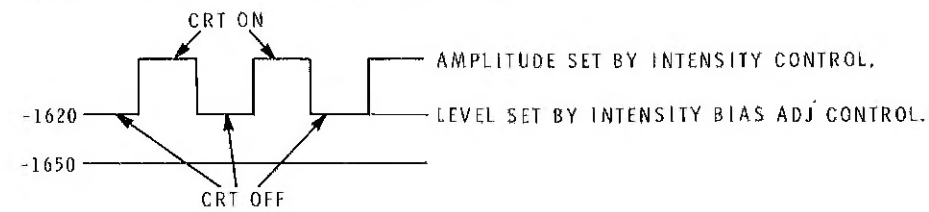


1 IN NORMAL OPERATION, A PULSE BLANKS THE CRT AFTER EACH SWEEP.



4 CAUTION: DO NOT MEASURE UNLESS YOU HAVE TAKEN PRECAUTIONS TO PROTECT THE INPUT OF THE MEASURING INSTRUMENT FOR -1650 VDC.

THE COMPOSITE SIGNAL AS SEEN BY THE CRT.



—INT-EXT-LINE SWITCH TO EXT.
—GENERATOR SET TO .1V PP AND CONNECTED TO EXT. TRIG INPUT.

